

7392 Count Cir, Huntington Beach, CA 92647
Phone: (714) 596-4461

PART #	DESCRIPTION
DT927640P	07-18 JK 4.5" FRONT 2.5 ENDUROSPORT IR PAIR

COMPONENTS INCLUDED

(2) DT124948NR AL JK 3" FRONT 2.5 RR SHOCK (2) 611007 9/16" MEDIUM DUTY STEM BUSHING	(2) 611057 JK 2.5 FRONT LOWER BRACKET
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HARDWARE INCLUDED

(4) 257164 HEIM SPACER COM10

611007 HARDWARE KIT

(2) MED DUTY 9/16 ID STEM BUSHING (1) MED DUTY 9/16 ID STEM WASHER	(1) MED DUTY 12MM ID STEM WASHER (1) M12-1.25 NYLOCK NUT
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611057 HARDWARE KIT

(1) 124021 JK 2.5" LOWER SHOCK DOUBLER (1) 139004 .750 X .510 X 1.450 SLEEVE (1) 159007 .750 X .510 X 1.530 WELD SPACER (1) 605101 3/8 X 1 BOLT (1) 605121 3/8 LOCK NUT	(2) 605133 3/8 FLAT WASHER (1) 605312 1/2 X 4.5 BOLT (1) 605321 1/2 LOCK NUT (2) 605330 1/2 FLAT WASHER
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TOOLS REQUIRED

JACK
JACK STANDS
WELDER
BLACK SPRAY PAINT
DRILL
21/64" DRILL BIT
CENTER PUNCH

TORQUE WRENCH
8MM NUT DRIVER
9/16" SOCKET / WRENCH
17MM SOCKET / WRENCH
18MM SOCKET / WRENCH
19MM SOCKET / WRENCH

TECH NOTES

1. YOUR DYNATRAC SHOCK ASSEMBLIES COME FACTORY CHARGED TO 250 PSI. RELEASING NITROGEN PRESSURE MAY LEAD TO SHOCK MALFUNCTION AND REDUCED RIDE QUALITY. FAILURE CAUSED BY LOW NITROGEN PRESSURE IS NOT COVERED UNDER DYNATRAC'S WARRANTY POLICY.

2. REQUIRES 1" BUMP STOP SPACER (SUPPLIED WITH DYNATRAC 3" LIFT KIT).

3. REQUIRES WELDING OF LOWER SHOCK TAB.

4. FAILURE TO MOUNT SHOCK USING SUPPLIED TABS AND INSTRUCTIONS WILL RESULT IN SHOCK DAMAGE, VEHICLE DAMAGE, AND POSSIBLE INJURY.



WARNING!

**** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**

**** DYNATRAC RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.**

**** DYNATRAC RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER DYNATRAC'S WARRANTY POLICY.**

3. Use a 16MM to remove the upper shock stem nut and remove the OEM shock.

4. Use the supplied 3/8" x 1.0" bolt, nut and washers to locate the lower shock doubler bracket (124021) in the correct location outward of the OEM shock mount. There is a factory hole for the 3/8" bolt. [FIGURE 1]

INSTALLATION

1. Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the front wheels.

2. Using a floor jack under the front end, slightly raise the front axle housing to remove the weight of the axle off the bolt. Remove the lower shock bolt (Make sure the axle is well supported).

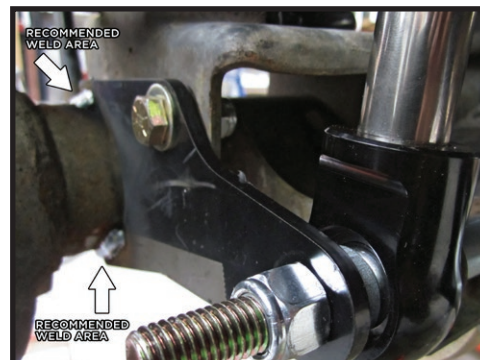


FIG.1

6. Use the (159007) weld sleeve to keep the space between the doubler plate and OEM shock as well as the (139004) spacer sleeve to keep the space between the OEM shock mount tabs. Mark on the axle to sand. Remove bracket and sand to bare metal then reinstall bracket and spacers. Weld the doubler plate to the axle housing, a professional welder is highly recommended! [FIGURE 2]

FIG.2



FIG.3



8. Install the shock between the doubler plate and the outside of the OEM shock mount. Use the provided spacer sleeve to fill the void between the OEM shock tabs. Install hardware in the following order with the head of the bolt towards the wheel: 1/2" x 4.5" bolt, 1/2" washer, (124021) doubler plate, heim spacer, shock rod end, heim spacer, OEM shock tab, (139004) spacer sleeve, OEM shock tab, 1/2" washer, 1/2" lock nut. [Torque to 65 ft-lbs] **[FIGURE 3]**

Diagram illustrating the assembly components for a vehicle frame:

- NYLOCK NUT**: A hexagonal nut with a locking feature, shown at the top.
- WASHER**: A flat, circular disc, shown below the nut.
- BUSHING**: A cylindrical component, shown below the washer.
- VEHICLE FRAME**: The central structural component, shown in the middle.
- STEM**: A vertical rod or tube, shown below the frame.

FIG.4



10. Repeat steps 2-9 for opposite side.

11. Reinstall the wheels and lower the vehicle back to the ground. [Torque lugs to factory spec]

VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.

RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.

2.5 SERIES SHOCK & COILOVER TECHNICAL INFORMATION

MAINTENANCE

DYNATRAC shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the DYNATRAC dealer where purchased.

BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:

STREET USE:

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks and coil springs anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure yearly. (Needle style charge assembly tool)
- Check bearings for excessive wear yearly.
- DO NOT apply any type of lube to the upper and lower bearings.

STREET/DIRT:

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure each dirt outing. (Needle style charge assembly tool)
- Check bearings for excessive wear yearly.
- DO NOT apply any type of lube to the upper and lower bearings.

DIRT USE:

- Send in for factory servicing every 1,000 miles.
- Check nitrogen pressure each outing. (Needle style charge assembly tool)
- Remove any buildup of mud or debris from shocks and coil springs after every outing.

SELF-SERVICE:

- Contact DYNATRAC for service kits & tools at (714) 596-4461.

DYNATRAC SHOCK ABSORBER WARRANTY

This shock absorber has a 1 year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the shock must be shipped to DYNATRAC for inspection and service. If a shock is inspected and it has been determined the shock failed due to neglect, damage caused by improper installation or any other reason besides "normal wear and tear", the owner of said shock is responsible for all service costs. This includes labor, parts and shipping.

DYNATRAC warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. DYNATRAC does not warrant the product for finish, alterations, modifications and/or installation contrary to DYNATRAC instructions. DYNATRAC products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

DYNATRAC'S obligation under this warranty is limited to the repair or replacement, at DYNATRAC'S discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

DYNATRAC components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

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